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10.

**FBIS MODERNIZATION PROGRAM  
CONCEPTUAL DEFINITION PHASE  
ESL-Q4472**

**Volume III, Key Personnel and Resumes  
25 June 1984**

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495 Java Drive • P.O. Box 3510 • Sunnyvale, CA 94088-3510 • 408.738.2888

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ESL INCORPORATED  
A Subsidiary of TRW Incorporated  
Sunnyvale, California

ESL Proposal No. Q4472

FBIS MODERNIZATION PROGRAM  
CONCEPTUAL DEFINITION PHASE

Volume III

Key Personnel/Resumes

25 June 1984

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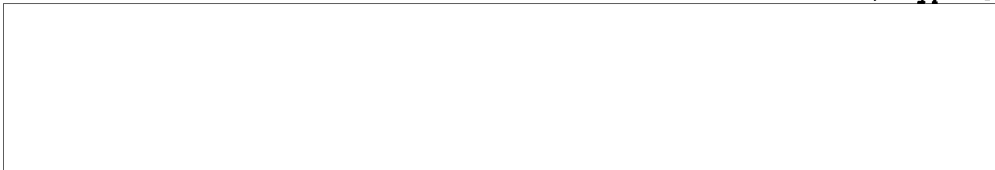
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Volume III1. Introduction

This volume presents the qualifications of the personnel who have been selected to perform the FBIS Modernization Program (FMP) Conceptual Definition Phase (CDP). Section 2 identifies the key personnel and their responsibilities, and provides a matrix chart of their involvement by task. Section 3 includes the resumes of the key personnel and the ESL staff members who will support them.

ESL has screened a large group of qualified and available ESL/TRW engineering personnel for participation in the FMP CDP. The selections made for key personnel were based on the need for a balanced system engineering team to address the design issues (Volume I, Section 3) of the FMP. The other project personnel were selected based on their technical specialties needed to develop a total system design, concept of operation, and system specifications. A key criterion in the selection process was the need for the project members to have worked together on previous projects. This is essential in order to achieve a rapid start-up, close team coordination, and in-depth deliverable documents. ESL is confident that the CDP team selected can perform the SOW tasks in the 14-week contract performance period.

Site Visit Personnel

The personnel scheduled for the site visit to Nicosia, Cyprus are:



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2. Key Personnel2.1 Duties and Level of Involvement

This section presents the identities of the key personnel and the number of hours each will dedicate to the project. These hours are derived from the percentage of full time each will spend over the fourteen-week schedule. A three-month, 157 labor hour-per-month equivalent is assumed, which allows for a monthly prorated deduction of average vacation, holiday, and sick leave.

The key personnel are: the Project Manager, Roger Dahlberg, who will dedicate 236 hours; the System Engineer, Myron Sabes, who will dedicate full time (471 hours); the Database Specialist, Michael Forster, who will devote 236 hours; and the Hardware and Software Integration Specialist, Alan Nitteberg, who will dedicate 353 hours to the FMP CDP. P/T

Project Manager - Roger Dahlberg

As Project Manager, Mr. Dahlberg has overall project responsibility for leadership and direction of project personnel and for coordinating their efforts to meet total program requirements efficiently. He brings to the program many years of management experience, including program management for the design of a major text and graphic pre-press page makeup computer system, and system engineering in large, multi-computer digital systems.

Mr. Dahlberg will:

- a. Interpret the total contract requirements.
- b. Develop a plan for accomplishing the requirements within budget and schedule.

- c. Assign responsibility for work segments.
- d. Define and assign responsibility for interfaces between work segments.
- e. Determine the adequacy of resources assigned to each work segment for its accomplishment in accordance with the overall Project Plan.
- f. Maintain continuous review of the work progress and bring to the attention of appropriate levels of management any bottlenecks that occur or problems that might cause the program budget or schedule to be exceeded.
- g. Keep the customer and ESL management informed of the progress of the work.
- h. Provide liaison with the customer.

#### System Engineer - Myron Sabes

Mr. Sabes provides the technical focus for the System Engineering activities in the concept definition phase and has been selected as the System Engineer. His information processing experience and his theoretical and applied skills will be required to oversee the technical effort. He has over seventeen years of applicable experience in large-scale system engineering. He has experience with the full range of computing machinery, from microprocessors to large mainframe computers. The System Engineer reports to the Project Manager, and will direct and participate in the following areas: requirements analysis and specification; concept of operation; engineering specialities (e.g., RAM); and preparing the preliminary system specification.

#### Database Management Systems Specialist - Michael Forster

Recognizing the central importance of database management to this program, ESL has specified that the Database Management Systems Specialist will report directly to the Project Manager. Mr. Michael Forster will fill this role. Mr. Forster, who will dedicate 50% of his time to the program, has extensive experience in the development of database management systems. His responsibilities will be to direct and participate in the following activities: database architecture definition; user interface management system (UIMS) definition; selection of commercial versus custom database management system; and integration of the database management system and UIMS with the other system elements.

#### 2.2 FMP CDP Skills

There are specific skills that will be required in the performance of the FMP CDP. These skills and the ESL staff members who possess these skills are identified in Figure 2-1.

Full staff resumes are included in Section 3.

#### 2.3 Key Personnel Involvement

Figure 2-2 relates the key personnel's involvement to the four tasks identified in the statement of work. ESL believes that the hours allocated to the key personnel are in balance with the need for other engineering specialties.

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	PROGRAM MANAGEMENT	REQUIREMENTS ANALYSIS	SYSTEM ENGINEERING	DATABASE ARCHITECTURE	HW & SW INTEGRATION	HUMAN FACTORS/MMI/UIMS	LAN/COMMUNICATIONS	FACILITIES	TRAINING	ENGINEERING SPECIALTIES (1)
R. DAHLBERG, PROJECT MANAGER	P	C/R	C/R	R	C/R	R	R	R	R	R
M. SABES, SYSTEM ENGINEER		P	P		C					
M. FORSTER, DATABASE SPECIALIST		C		P	C	P				
A. NITTEBERG, HW/SW INTEGRATOR		C			P		P			
K. YU		T		T						
M. STONEBRAKER		T		T						
R. KUNG		C		C						
R. FRISBIE			C		C					
D. WALKER				C	C					
W. FOSTER		C	C		C					
J. JANOUSEK						C				
A. FAILLA							P			
M. NORTH								P	P	
F. HALF										C

P=PRIMARY TECHNICAL RESPONSIBILITY &amp; MAJOR CONTRIBUTOR

R=REVIEWER-TECHNICAL CONTENT &amp; SOW/FMP COMPLIANCE

C=CONTRIBUTOR-TECHNICAL CONTRIBUTOR

T=TECHNICAL CONSULTANT-SPECIALIZED TECHNICAL CONTRIBUTOR

## (1) ENGINEERING SPECIALTIES

- RELIABILITY
- AVAILABILITY
- MAINTAINABILITY
- LOGISTICS
- SPARING

Figure 2-1. FMP CDP Skills

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	TASK 1. REVIEW BASELINE REFINE REQ'TS	TASK 2. TECH APPROACH TO MODERNIZATION	TASK 3. COST, SCHEDULE, WRS	TASK 4. CONCEPT OF OP'NS AND SPFC	TOTAL
R. DAHLBERG, PROJECT MANAGER *	60	80	36	60	236
<del>M. SABES, SYSTEM ENGINEER</del>	<del>151</del>	<del>160</del>	<del>80</del>	<del>80</del>	<del>471</del>
M. FORSTER, DATABASE SPECIALIST	60	144	12	20	236
A. NITTEBERG, HW/SW INTEGRATOR	80	160	33	80	353
<b>Mazzoni system architecture</b>	<b>351</b>	<b>544</b>	<b>161</b>	<b>240</b>	<b>1296</b>
					<b>471</b>
					<b>1296</b>

FT

3500 hours

\* MANAGEMENT HOURS ALLOCATED AMONG TASKS.

140 20  
5200

14  
6.7  
98  
84  
93.8  
40  
520

14  
40  
3560  
6  
3560

Figure 2-2. Key Personnel Involvement by Task



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